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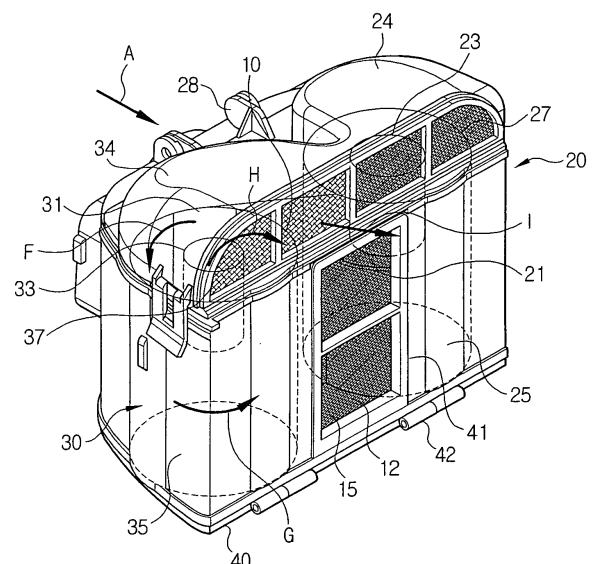
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(54) **Cyclone dust separator and vacuum cleaner having the same**

(57) A cyclone dust separator (1) for a vacuum cleaner, where two of cyclones (20,30) are disposed parallel with each other and sequentially operated to separate and collect dust. The cyclone dust separator (1) includes a bypass path (10) guiding dust-laden air drawn in through a suction opening (2) directly to a motor (133) and having a first mesh (12) that filters off dust included in drawn-in air; a first cyclone (20) disposed at one side of the bypass path (10) to separate the dust from the dust-laden air drawn in through the suction opening (2) and discharge cleaned air to the motor (133); and a second cyclone (30) disposed parallel with the first cyclone (20) to separate the dust from the dust-laden air drawn in through the suction opening (2) and discharge cleaned air to the motor (133). The dust included in the air is separated sequentially by the first mesh (12), the first cyclone (20) and the second cyclone (30).

FIG. 10





European Patent
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EUROPEAN SEARCH REPORT

Application Number
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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